

Farenhyt



Addressable Notification Module

IDP-Control

The IDP-Control is an addressable notification module for use with Silent Knight IFP-series fire alarm control panels (FACPs). The IDP-Control gives you the flexibility to add notification circuits wherever they are needed on an IFP FACP signaling line circuit (SLC) loop.

The IDP-Control provides supervised monitoring of wiring to load devices that require an external power supply to operate, such as bells, horns, and strobes. It is capable of Class B (Styles Y) and Class A (Style Z) supervision.

Upon command from the FACP, the IDP-Control will disconnect the supervision and connect the external power supply across the load device. The disconnection of the supervision provides a positive indication to the panel that the control relay actually turned on. The external power supply is always relay isolated from the SLC loop, so that a trouble condition on the power supply will never interfere with the rest of the system.

Features

- Flexible solution for adding notification circuits where needed
- Support for Class B (style Y) or Class A (style Z) wiring
- Panel controlled status LED that flashes green in normal state and is solid red in alarm
- Polling LED visible through the cover plate
- Attractive ivory cover plate
- Rotary address switches for fast installation
- SEMS screws for easy wiring
- UL Listed

Installation

The IDP-Control mounts directly into a 4" square electrical box. The box must have a minimum depth of 2-1/8". A surface mount electrical box (System Sensor® PN SMB500) is available from Silent Knight.

Agency Listings



MEA
386-02-E
Vol 2



IDP-Control

Compatibility

The IDP-Control is compatible with the following FACPs:

- IFP-2000 / RPS-2000 Intelligent Fire Panel
- IFP-1000 / ECS Intelligent Fire Panel
- IFP-100 / ECS Intelligent Fire Panel
- IFP-50 Intelligent Fire Panel

Ordering Information

IDP-Control Notification Module

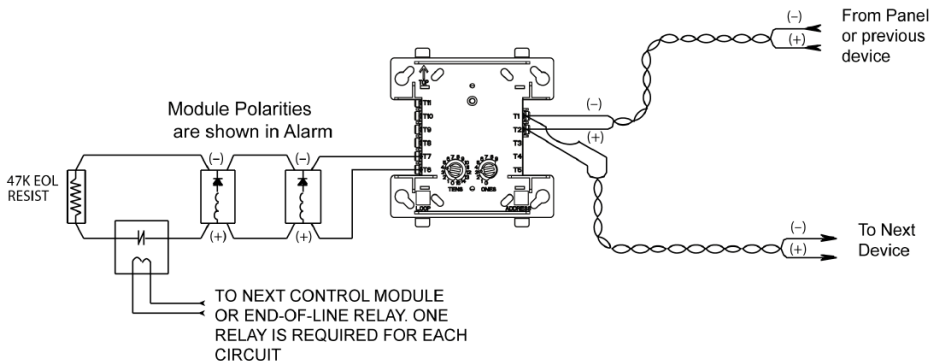
Accessories

SMB500 4" Square Surface Mount Electrical Box
CB500 Module Barrier

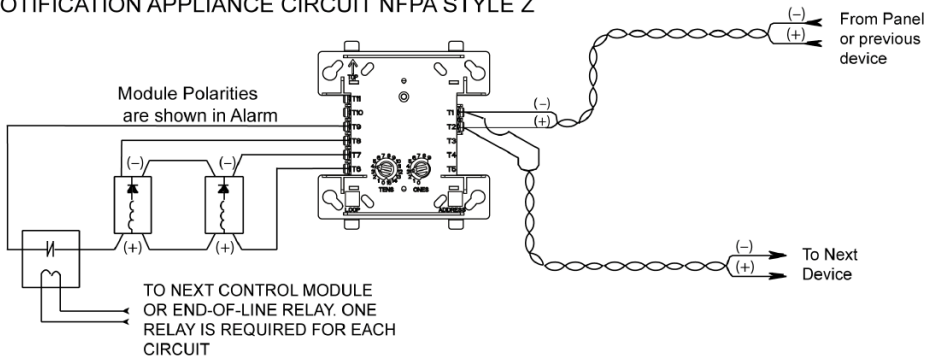
P/N 350293 Rev F

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NOTIFICATION APPLIANCE CIRCUIT NFPA STYLE Y



NOTIFICATION APPLIANCE CIRCUIT NFPA STYLE Z



Specifications

Physical

Height: 4.5" H x 4" W x 1.3" D
(11.4 cm x 10.2 cm x 3.2 cm)

Environmental

Operating Temperature: 32°F – 120°F (0°C – 49°C)
Humidity: 10% – 93% non-condensing

Electrical

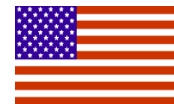
Operating Voltage: 15 – 32 VDC
Current Draw: 6.5 mA max (LED on)
Operating Current: 375 µA average (LED flashing)
Drain on External Power Supply: 1.7 mA max (using internal EOL relay)
End-of-Line Resistance: 47K Ω
Standby Current:
400 µA max @ 24 VDC (one communication every 5 sec with 47K EOL)
550 µA max @ 24 VDC (one communication every 5 sec with EOL <1K)
LED Current: 5.5 mA (with LED latched on)
SLC Loop Resistance: 40Ω max.

Relay Contact Ratings

Current Rating	Max Voltage	Load Description	Application
3A	30 VDC	Resistive	Noncoded
2A	30 VDC	Resistive	Coded
0.9A	110 VDC	Resistive	Noncoded
0.9A	125 VAC	Resistive	Noncoded
0.5A	30 VDC	Inductive (L/R = 5 ms)	Coded
1A	30 VDC	Inductive (L/R = 2 ms)	Coded
0.5A	125 VAC	Inductive (PF = 0.35)	Noncoded
0.7A	75 VAC	Inductive (PF = 0.35)	Noncoded
2A	25 VAC	Inductive (PF = 1)	Noncoded



This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical Support, Please call 800-446-6444. www.farenhyt.com



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